

ADDITIONAL SPIDERS (ARANEAE) OF DELAWARE<sup>1 2</sup>J.D. Culin<sup>3 4</sup>

ABSTRACT: Extensive surveying of the spider fauna of soybean fields in northern Delaware has yielded 26 species not previously listed for the state. This brings the total to 225 species in 27 families.

During 1976, I conducted a survey of the spider fauna occurring in soybean fields on the University of Delaware Experimental Farm in Newark, New Castle Co., Delaware (Culin, 1978). Twenty-six species of spiders not previously reported in Delaware (Uetz, 1976; Parker 1965) were found. This represents nearly a 13 percent increase in the number of species previously reported (199 to 225 spp). The 5 species of Erigonidae (=Micryphantidae) are the first of this family to be identified from the state. The new species are presented along with their month(s) of occurrence. These dates of occurrence should be interpreted with caution due to the transitory nature of the habitat surveyed.

## List of Species

## Labidognatha

## Family Theridiidae

*Theridion albidum* Banks (June to August)

*Theridion australe* Banks (July and August)

*Theridion cheimates* Gertsch and Archer (August)

*Theridion neshamini* Levi (July and August)

*Theridion rabuni* Chamberlin and Ivie (July and August)

*Theridula emertoni* Levi (July to October)

## Family Linyphiidae

*Agyneta fabra* (Keyserling) (August)

*Florinda coccinea* (Hentz) (July to September)

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*Frontinella pyramitela* (Walckenaer) (August to October)  
*Meioneta barrowsi* Chamberlin and Ivie (May to November)

**Family Erigonidae**

*Ceraticelus similis* (Banks) (June to August)  
*Erigone autumnalis* Emerton (May to August)  
*Erigone blaesa* Crosby and Bishop (May to October)  
*Grammonota inornata* Emerton (July to November)  
*Islandiana flaveola* (Banks) (June to August)

**Family Araneidae**

*Araneus juniperi* (Emerton) (July and August)  
*Gea heptagon* (Hentz) (July and August)

**Family Tetragnathidae**

*Mimognatha foxi* (McCook) (May to August)

**Family Lycosidae**

*Arctosa funera* (Hentz) (May to November)

**Family Clubionidae**

*Clubiona abboti* Koch (July and August)  
*Clubiona catawba* Gertsch (July and August)  
*Clubiona johnsoni* Gertsch (July and August)  
*Clubiona saltitans* Emerton (July and August)

**Family Philodromidae**

*Philodromus cespitum* (Walckenaer) (September)  
*Philodromus rufus vibrans* Dondale (July and August)

**Family Salticidae**

*Pellenes hoyi* (Peckham and Peckham)<sup>1</sup> (August)

<sup>1</sup>collected during preliminary surveys in the same location in 1975.

LITERATURE CITED

- Culin, J.D. 1978. Spiders in soybean fields: Community structure, temporal distribution of the dominant species, and colonization of the crop. M.S. thesis, University of Delaware, Newark, Delaware.
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